TABLE OF CONTENT

APPROVAL SHEET	i
ORIGINALITY STATEMENT SHEET	ii
PUBLICATION APPROVAL SHEET	iii
BIOGRAPHY	iv
ACKNOWLEDGEMENT	v
ABSTRACT	vii
TABLE OF CONTENT	ix
LIST OF PICTURE	X
LIST OF TABLE	xi
LIST OF FIGURE	xii
LIST OF APPENDIX	xiii
CHAPTER I INTRODUCTION	1
1.1. Background	1
1.2. Problem Identification	5
1.3. Problem Scope	5
1.4. Problem Formulation	5
1.5. Research Objectives	6
1.6. Research Contribution	6
1.7. Operational Definition	6
CHAPTER II LITERATURE REVIEW	8
2.1. Digital Literacy	8
2.1.1. Defenition of Digital Literacy	8
2.1.2. Types of Digital Literacy	9
2.1.3. Digital Literacy Competencies	10

	2.1.4.	Utilization of Digital Literacy in Biology Learning	11
	2.1.5.	Learning Theory Relating to Digital Literacy	12
	2.2.	Platform	14
	2.2.1	Defenition of PLatform.	14
	2.2.2.	Platform in Education	15
	2.2.3.	Platform In the learning Process	16
	2.2.4.	Benefits of Platform for Students	16
	2.2.5.	Use of Platform in the Learning Process	20
	2.3	Master The Concept	25
	2.4.	Plant Morphology	26
	2.4.1.	Description of the Plant Morphology Course	26
	2.3.2	Description of Plant Morphology Material	26
	2.4.3.	Learning Outcomes in the Plant Morphology Subject	34
	2.5.	Conceptual Framework	35
CHAI	PTER I	II RESEARCH METHOD	36
	3.1.	Location and Time of Research	36
	3.2.	Type of Research	36
	3.3.	Population and Sample of Research	36
1	3.4.	Data Collection Technique Design of Research	37
	3.5.	Research Instrument	38
14	3.6.	Instrument Validaty Test	40
t	3.7.	Research Procedure	40
	3.8.	Data Analysis	42
	3.8.1	Questionnaire Data Analysis	42
	3.8.2	Analysis of Master the Concepts	42
	3.8.3	Classic Assumption Test	42

3.8	3.4	Hypothesis Test	43
3.8	3.5	Research Schedule	44
CHAPT	ER I	V RESULT AND DISCUSSION	45
4	1.1	Result	45
4	1.1.1	Description of Research Result Data	45
4	1.1.2	Student's use of Online Learning Platform on Morphology	
		Course	46
4	1.1.3.	Data Mid-term and Final-test Result of Plant Morphology	
		Course	47
4	1.1.4	Research Data analysis	47
		4.1.4.1 Normality Test	48
		4.1.4.2 Homogeneity Test	48
		4.1.4.3 Hypothesis Test	49
2	4.2.	Discussion	50
		52	50
CHAPT	ER V	CONCLUSSION AND SUGGESTION	54
5	5.1	Conclussion	54
5	5.2	Suggestion	54
I	Refrer	nces	55
-	-		
1	9	THE - MIN /	CV.
11	11	haracter (Kuildin	11
1		THE CENTER OF THE PERSONNELLE	7

PICTURE LIST

Picture 2.1.	Taproots and fiber roots	27
Picture 2.2.	Variations in leaf base shape.	30
Picture 2.3.	Variation in leaf tip shape	30
Picture 2.4.	Types of leaf bones (a) pinnate (b) curved (c) radiating (d)	
	parallel	31
Picture 2.5.	Leaf shape (a) sword / dagger, (b) needle, (c) linear, (d)	
	lanceolate, (e) oval lanceolate, (f) ovoid, (g) flat egg, (h)	
1 14	tapered oval, (i) spatula, (j) ovoid, (k) circle, (l) kidney, (m)	
	inverted heart, (n) heart, (o) rhombus, (p) pinnate share, (r)	
	spear (s) arrows, (t) triangle	31
Picture 2.6.	Parts of interest	33
Picture 2.7.	Fruit Structure a) Middle skin structure (thick and strong) b)	
	The structure of the flesh (thick, soft, and juicy)	34
Picture 2.8.	Parts of the seed	35



TABLE LIST

Table 3.1.	Number of Biology Education Students Class of 2020	38
Table 3.2.	Grid of Instruments Aspects of Digital Literacy Ability for Use of	
	Platform	44
Table 3.3.	Percentage of Use Platform	45
Table 3.4.	Research Schedule.	46
Table 4.1.	Data Mid-term and Final-test Result of Plant Morphology	
8 13	Course	47
Table 4.2.	Uji normalitas Unstandardized Residual	51
Table 4.3.	Test of Homogeneity of Variance	52
Table 4.4.	Correlation Test Results between the use of online learning	
	Platforms to understanding the concept	55

13

FIGURE LIST

Figure 4.1.	Diagram Student response of Online Learning Platform on Morphology Course
	State of the state
10	
	VAIMED
61	Caracter Building

APPENDIX LIST

Appendix 1	RPS Mata Kuliah Morfologi Tumbuhan	61
Appendix 2	Kisi-Kisi Kuisioner Penggunaan Platform	71
Appendix 3	Angket Penggunaan Platform(SIPDA dan Whatsaap)	76
Appendix 4	Lecturer validation results	80
Appendix 5	Surat Izin Melaksanakan Penelitian	89
Appendix 6	Surat Izin Telah Selesai Melakukan Penelitian	90
Appendix 7	Kode Nama Siswa	91
Appendix 8		93
Appendix 9	Questionnaire Percentage Results	95
Appendix 10	Result Avarage of Student use of Online Learning Platform On Morphology Course	96
Appendix 11	Result of Mid-term and Nilai Final	98
Appendix 12	Uji Normalitas Test	100
Appendix 13	Uji Homogenitas Test	101
Appendix 14	Student responsded the use of platforms (SIPDA and WhatsApp)	102
Appendix 15	Daftar Nilai Mata kuliah Morfologi Tumbuhan	105
Appendix 16	Test Results (One sample T-Test) Master of Concept Results	
4/11	Data	109
Appendix 17	Hypothesis Test.Correlation Test Results between the use of	7
	online learning platform to understanding the concept	110
Annendix 18	Search Documentation	111